

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 12, 2003, 22:51:15 ; Search time 182 Seconds
(without alignments)
6608.621 Million cell updates/sec

Title: US-10-054-678-1

Perfect score: 2725

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 120 summaries

Database : Issued Patents_NA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	141.8	5.2	1635	US-08-974-180-16	Sequence 16, Appl
2	141.8	5.2	2178	US-08-974-180-11	Sequence 11, Appl
3	141.8	5.2	2970	US-08-974-180-14	Sequence 14, Appl
4	140.6	5.2	2184	US-09-489-847-34	Sequence 34, Appl
5	138.4	5.1	2189	US-09-489-847-116	Sequence 116, Appl
6	102.8	3.8	1920	US-08-974-180-19	Sequence 19, Appl
7	45.2	1.7	1668	US-09-252-991A-7485	Sequence 7485, Ap
8	45.2	1.7	1719	US-09-252-991A-7425	Sequence 7425, Ap
9	45	1.7	753	US-09-252-991A-9104	Sequence 9104, Ap
10	45	1.7	3450	US-09-252-991A-8878	Sequence 8878, Ap
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c 35	41.4	1.5	289	3	US-09-007-005-17	Sequence 17, Appl
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102 39.4 1.4 1827 4 US-09-252-991A-6085 Sequence 6085, Ap
103 39.4 1.4 47981 4 US-09-678-279-1 Sequence 1, Appli
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105 39.2 1.4 906 4 US-09-206-166-4 Sequence 4, Appli
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109 39.2 1.4 1461 3 US-09-344-001-1 Sequence 1, Appli
110 39.2 1.4 1470 4 US-09-252-991A-3239 Sequence 3239, Ap
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112 39.2 1.4 2100 4 US-09-252-991A-502 Sequence 502, App
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117 39 1.4 1635 1 US-08-133-347-1 Sequence 1, Appli
118 39 1.4 1635 1 US-08-133-347-3 Sequence 3, Appli
119 39 1.4 2106 4 US-09-252-991A-7477 Sequence 7477, Ap
120 39 1.4 2112 4 US-09-252-991A-7334 Sequence 7334, Ap

ALIGNMENTS

RESULT 1
US-08-974-180-16
; Sequence 16, Application US/08974180
; Patent No. 6025194
; GENERAL INFORMATION:
; APPLICANT: Funk, Walter
; TITLE OF INVENTION: Methods for Modulating and Identifying
; TITLE OF INVENTION: Cellular Senescence
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Geron Corporation
; STREET: 230 Constitution Drive
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/974,180
; FILING DATE: 19-NOV-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kaster, Kevin R.
; REGISTRATION NUMBER: 32,704
; REFERENCE/DOCKET NUMBER: 206
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 473-7779
; TELEFAX: (650) 473-8654
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1635 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: - 1.1635
; LOCATION: 1..1635
; OTHER INFORMATION: /note= "ORF of the GC6 gene"
; US-08-974-180-16
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Best Local Similarity 49.6%; Pred. No. 7e-24;
Matches 427; Conservative 0; Mismatches 422; Indels 12; Gaps 2;

QY 629 CATGGAGGTCAGCTCCCAATATATCCAGATCCCGAGCCAGAGACCACTACTGGTGCTA 688
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QY 866 CAACTACTGCGGCACATGCTGCGCCCTGGGGCTGGGTGCGCAAGSCATTTTACTACCC 925
Db 594 CTTCACTGTGAACTGTGATTTTGGCTGGGCTATTGGTGGAGAGGGCTTTTCTTATCC 653
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QY 986 TCACTACCAACACCCACTGGTGATAGAGGACGAAAGACTCTCAGGCATCCGCTTGTA 1045
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RESULT 2
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; Sequence 11, Application US/08974180
; Patent No. 6025194
; GENERAL INFORMATION:
; APPLICANT: Funk, Walter
; TITLE OF INVENTION: Methods for Modulating and Identifying
; TITLE OF INVENTION: Cellular Senescence
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Geron Corporation

; OTHER INFORMATION: /note= "5' and 3' untranslated
; OTHER INFORMATION: regions of GC6 cDNA and complete ORF
; OTHER INFORMATION: of GC6 gene"
US-08-974-180-14

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Query Match          5.2%; Score 141.8; DB 3; Length 2970;
Best Local Similarity 49.6%; Pred. No. 8.5e-24;
Matches 427; Conservative 0; Mismatches 422; Indels 12; Gaps 2;

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Db |||||
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RESULT 4

US-09-489-847-34

; Sequence 34, Application US/09489847

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; Patent No. 6476195
; GENERAL INFORMATION:
; APPLICANT: Rosen et al
; TITLE OF INVENTION: 98 Human Secreted Proteins
; FILE REFERENCE: P2031P1
; CURRENT APPLICATION NUMBER: US/09/489,847
; CURRENT FILING DATE: 2000-01-24
; EARLIER APPLICATION NUMBER: PCT/US99/17130
; EARLIER FILING DATE: 1999-07-29
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; EARLIER APPLICATION NUMBER: 60/095,486
; EARLIER FILING DATE: 1998-08-05
; EARLIER APPLICATION NUMBER: 60/096,319
; EARLIER FILING DATE: 1998-08-12
; EARLIER APPLICATION NUMBER: 60/095,454
; EARLIER FILING DATE: 1998-08-06
; EARLIER APPLICATION NUMBER: 60/095,455
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 2184
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-489-847-34
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Best Local Similarity 47.5%; Pred. No. 1.5e-23;
Matches 620; Conservative 0; Mismatches 664; Indels 21; Gaps 6;

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QY 551 GTGTGCTATCTACAGCCTTACCATACCTTGTATCTGGTAAATCAGGAGCTCCCATCCCAA 610
Db |||||
QY 664 GCCAGGAGACCACTACTGCTGTACATTAAAGAGCTTCCAAAGGGCTTCTTCGGGCAAC 723
Db |||||
QY 611 ACAAGATACAAATATTTGGTGCCTAAATTTTAAAGTTCTGTGTTCCAAAGAAAGCATC 670
Db |||||
QY 724 ACATTATCAAGTACGAGCCCATCGTCCACAGGCGCATAGAGCCCTTGTGCCACCATGG 783
Db |||||
QY 671 ATGTAATAAAGGTTGAGCCAGTGTATACAGAGAGGCCATGAGAGTCTGGTGCAACCATCC 730
Db |||||
QY 784 AAGTCTTCCAGTGGCGCCCGCA---GATGGAAGCGCTTCCCGCACTTTCAGGGGCCCTGGC 840
Db |||||
```

Db 731 TGCTCTATCTAGTCGAGCAACAACTTTAACGACAGGTTCTGGAGTCCGGCCACAGTGCT 790
Qy 841 ACTCCAGATGAACACCCGACCGCTCAACTACTGCGCACGTGTCGCCCTCGGGCCC 900
Db 791 ATCACCACCAATGCCGATCAATCTCTCACTGTGAACTGTGATTTTTCCTGGGCTA 850
Qy 901 TGGGTGCCAAGCAATTTTACTACCGAGGAGCGCGCTTGCCTTGGGGGTCCAGGTT 960
Db 851 TTGGTGGAGAGGGCTTTCTTATCCACCTCATGTTGGATTATCCCTTGGCACTCCATTAG 910
Qy 961 CCTCAGATATCTCGCCTCGAAGTTCTACTACCAACCACTGGTGATAGAAGACGA 1020
Db 911 ATCCGATTATGTGCTCTAGAGTCCATTATGATAATCCCACTTATGAGGAAGCTTAA 970
Qy 1021 ACGACTCTCAGGATCCGCTTGTACTACACAGCAAGCTCGCGGCTTCAACCGGGGA 1080
Db 971 TAGATAATCTCGACTGAGGTTATTTTACACAATGGATATAAGGAATATGATGCTGGG 1030
Qy 1081 TCATGGAGCTGGAGTGTGTACAGGCAGTGATGGCCATTCCACCGGAGACCGGCT 1140
Db 1031 TGATTGAGGCTGGGCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGATGCTGAGT 1090
Qy 1141 TCATCCTCACTGCTACTGACGGGACAGTGC-----ACCCAGCTGGCACTGCCTCC 1192
Db 1091 TCCAGCTGAGGCTCACTGCATTTGGAGTCCCTGGAGAGCTCTGGAAGCCGAAAAGCC 1150
Qy 1193 CTCGGGATCCACATCTTCGCTCTCAGCTCCACACACACCTGACTGGGAGAAAGTGGT 1252
Db 1151 AAGTGGAAATTCATGTGTTGCTGTTCTTCTCATGCTCACTTGGCTGGCAGAGCATCAG 1210
Qy 1253 CACAGTGTGCTCGGAGCGCGGAGTGGAGATCGTGAAACGAGCAATCACTACAG 1312
Db 1211 CTGCGTCATTTTCAAAAGGAGGAATGAATTAATTTG-CCTATGATGATTTTGA 1269
Qy 1313 CCCTCACTCCAGAGATCCGATGTTGAAGAGTGTGTGCTGCTCCATCGGAGATGT 1372
Db 1270 CTTCAATTTCCAGAGATTCAGTATCTAAAGGAAGAACAACTTTTACAGAGATAA 1329
Qy 1373 GCTCATCACTCTCTGACGTACAAACAGGAGACCGGAGCTGGCCACAGTGGGGGCTT 1432
Db 1330 CCTAATTTACTAGTGTGCTACACACAGAAAGATAGAGTGAGATGACTTGGGAGGACT 1389
Qy 1433 CGGATCCTGAGGAGATGTGTCAACTAGTGCATCTACTACC 1477
Db 1390 AAGCACCAGGAGTGAATGTGCTCTCATACCTCTTTATTATACC 1434

RESULT 5

US-09-489-847-116
; Sequence 116, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
; APPLICANT: Rosen et al
; TITLE OF INVENTION: 98 Human Secreted Proteins
; FILE REFERENCE: P2031P1
; CURRENT APPLICATION NUMBER: US/09/489,847
; EARLIER FILING DATE: 2000-01-24
; EARLIER APPLICATION NUMBER: PCT/US99/17130
; EARLIER FILING DATE: 1998-07-29
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; EARLIER APPLICATION NUMBER: 60/095,486
; EARLIER FILING DATE: 1998-08-05
; EARLIER APPLICATION NUMBER: 60/096,319
; EARLIER FILING DATE: 1998-08-12
; EARLIER APPLICATION NUMBER: 60/095,454
; EARLIER FILING DATE: 1998-08-06
; EARLIER APPLICATION NUMBER: 60/095,455
; EARLIER FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 376
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 116
; LENGTH: 2189

; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-489-847-116
Query Match 5.1%; Score 138.4; DB 4; Length 2189;
Best Local Similarity 46.9%; Pred. No. 4.9e-23;
Matches 614; Conservative 0; Mismatches 671; Indels 23; Gaps 5;
Qy 187 GCTACACCCAGGAGCCATCCATTTCCAGCTCTCTGGTGGCGAGGCTCAAGGCTGGCGTCC 246
Db 144 GCTGGAGCCAGCGGGGAGCCAGATCCGCTTCCGCTCCAGGTGGGACTCGAGGCTAGC 203
Qy 247 TG---TTTGGGATGTCGACCGTGGCGAGCTTGAGAACGACAGATCTCGTGGTGTCTGGA 303
Db 204 TGGGCTTCGGCTTCTGCCACCGGGCCATGGCGTCCGCGACATCGTCTGGGCGGG 263
Qy 304 CCGATGGGGACACTGCTCTATTTTCCGGACCGCTGGAGTACCAGAGGGGAGATCCACC 363
Db 264 TGGCCCAAGCGGCGGCTTCCCTCCAGGATTTATTTACAAATGCAAAATAGAGAGTTGA 323
Qy 364 TGGATCCCAAGCAGGAGCTACCAGCTGTGCGAGGTGCAGAGGACCCAGAGGCTGTACCC 423
Db 324 AAGATGCTCAGCAAGATTACCATCTAGAATAATGCCATGGAAATAGCACACACAATAA 383
Qy 424 TGCTTTTCAAGAGCCCTTTGGCACCTGCGACCCCAAGGATTTACCTCATTTGAAGACGCA 483
Db 384 TTGAATTTTACAGAGAGCTGCATACATGTGACATAAATGACAAGAGTATACGGATAGCA 443
Qy 484 CTGTCCACTTGGTCTACGGGATCTGGAGGAGCGGTTCCGGTCACTGGAGGCCATCAACG 543
Db 444 CTGTGAGAGTGATCTGGGCTTACCACCATGAAGATGCAGGAGAGCTGGTCCCAAGTACC 503
Qy 544 GCTCGGCTCGAGATGGGGCTGCAGAGGTTGACAGCTCTGGAAGCCCAATATCCCGAAC 603
Db 504 A---TGACTCAATAGGGGACCAAGAGTTTTCGGTTATTGAATCTTGAGAAAC---TA 557
Qy 604 CGGAGTTGCCCTCAGACGCGTGCACCATGGAGTCCAAAGCTCCCAATATCAGATCCCA 663
Db 558 GTGTGCTATCTACAGCCTTACCATACCTTTTAAACGACAGCGTTCTGGAATCCGGCACGA 617
Qy 664 GCAGGAGACAGTACTGTGTACATTAAGAGCTTCCAAAGGCTTCTCTCGGACCC 723
Db 618 ACAAGATACAAATATTTGGTGCCTTCTTAAAGATTCTCTGTGTTTCCAGAAAGCATC 677
Qy 724 ACATTATCAAGTACGAGCCCATCGTCCACAGGCGAATGAGGCCCTTGTCCACCACTGG 783
Db 678 ATGTAATAAGGTTGAGCCAGTGAATACAGAGGCCATGAGATCTGGTGACCACTATCC 737
Qy 784 AAGTCTTCCAGTGGCGCCCGAGATGGACAGCGTCCCGCCACTTCAGCGGGCC-----CTG 838
Db 738 TGCTCTATCAGTCAGCAACAACTTTTAAACGACAGCGTTCTGGAATCCGGGACGAATTG 797
Qy 839 CGACTCCAAGATGAACCCGACCGCTCAACTACTGCGCGCACGCTGTGCGCGCTCGGCG 898
Db 798 CTATACCCCAACATGCCCGATGCTCTCACCTGTGTAACATGCTGATTTTTCCTGGC 857
Qy 899 CTTGGGTGCCAAGSCATTTTACTACCCAGAGGAGCGGCTTGCCTTCGGGGTCCAGG 958
Db 858 TATTGGTGGAGAGGCTTTTCTTATCCACTCATGTTGGATTTATCCCTTGGCACTCCATT 917
Qy 959 GTCTCTCAGATATCTCCGCTGGAAAGTTTCACTACCAACCCCACTGTGTAGAGGACG 1018
Db 918 AGATCCGCAATATGTGCTCTCTAGAGTCCATTTATGATAATCCCACTTATGAGGAAGCTT 977
Qy 1019 AAAGACTCTCAGGATCCGCTTGTACTACAGCCCAAGCTGCGGGCTTCAACGCGGG 1078
Db 978 AATAGATAATTTCTGGACTGAGGTTATTTTACAAATGGATATAAGGAATATGATGCTGG 1037
Qy 1079 GATCATGGAGCTGGGACTGGGTGTACAGCCAGTGTGGCCATTTCCACACAGGAGACCGC 1138
Db 1038 GGTGATTGAGGCTGGGCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGATGCTGA 1097
Qy 1139 CTTTCATCTCACTGGGCTTACTGCGAGGACAAAGTGCACCCAGCTGGCACTG-----CC 1189

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1098 GTTCCAGTCTGAGGTCAGTCACTTTGGAGTGCCTGGAGAGGCTCTGGAAGCCGAAAA 1157
1190 TCCTCCGGGATCCACATCTTCCCTCTCAGCTCCACACACACCTGACTGGGAGAAAGGT 1249
1158 GCGAAGTGAATTCATGTGTTGCTGTTCTTCTCCATGCTCACCTGGCTGGCAGAGCAT 1217
1250 GGTTCACAGTGTCTCCGGGACGGCCGGGAGTGGGAGATCGTGAACCCAGGACAATCACTA 1309
1218 CAGGCTGCCTCATTTTCGAAAAGGAGGAAATGAATTAATTTACTTGCCTATGATGATTT 1277
1310 CAGCCCTCATCTCCAGGAGATCCGCATGTTGAAGAAGGTCTGTGCTGCTCCATCCGGGAGA 1369
1278 TGACTTCAATTTCCAGGAGTTTCAGTATCTAAAGGAAGAACAAATCTTACACAGAGA 1337
1370 TGTGCTCATCACTCTCCAGCTACACACGAGAACCGGGAGCTGGGCCACAGTGGGGGG 1429
1338 TAACTAATTAATGAGTGTGCTCAACACGAAGATAGAGTGAGATGACTTGGGGAGG 1397
1430 CTTCCGGATCTCCGAGGAGATGTGTCAACTTACGTGCACTACTACCC 1477
1398 ACTAAGCACCAGGAGTGAATGTGCTCTCATACCTCTTTATTATACC 1445

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RESULT 6

```

US-08-974-180-19
; Sequence 19, Application US/08974180
; Patent No. 6025194
; GENERAL INFORMATION:
; APPLICANT: Funk, Walter
; TITLE OF INVENTION: Methods for Modulating and Identifying
; TITLE OF INVENTION: Cellular Senescence
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Geron Corporation
; STREET: 230 Constitution Drive
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,180
; FILING DATE: 19-NOV-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kaster, Kevin R.
; REGISTRATION NUMBER: 32,704
; REFERENCE/DOCKET NUMBER: 206
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 473-7779
; TELEFAX: (650) 473-8654
; INFORMATION FOR SEQ ID NO. 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1920 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 258..1868
; OTHER INFORMATION: /product= "recombinant GS-GC6
; OTHER INFORMATION: fusion protein"
US-08-974-180-19

```

Query Match 3.8%; Score 102.8; DB 3; Length 1920;
 Best Local Similarity 50.2%; Pred. No. 9.4e-15;
 Matches 282; Conservative 0; Mismatches 277; Indels 3; Gaps 1;

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629 CATGAGGTCCAAGCTCCCAATATCCAGATCCCGACGAGGACGACCTACTGTGCTA 688
1253 CTTTGATCTGGTAAATCAGACGTCCCATCCCAACAAAGATACACATATTTGGTGCCA 1312
689 CATTAGGAGTTCCTCAAGGGCTTCTTCGGCCACCAATTTATCAAGTACGAGCCCATCGT 748
1313 AATGTTTAAAGATTCCTGTGTTCCTCAAGAAAGCATCATGTAATAAAGTTGAGCCAGTAT 1372
749 CACCAAGGGCAATGAGGCCCTTCTCCACACATGGAAGTCTTCAGTGCGCCCCCGA --- 805
1373 ACAGAGGCCATGAGAGTCTGGTGACCAACATCTCTATCAGTGCAGCAACAACCTT 1432
806 GATGGACAGCGTCCCACTTTCAGCGGGCCCTCCGACTCCCAAGATGAACCCGACCCCT 865
1433 TAAAGCAGCGTTCGGAGTCCCGGCACAGTGTCTATCACCCCAACATGCCCGATGCAAT 1492
866 CAACTACTGCCGCCACGCTGCTGGCCCTGGGGCTGGGTGCGCAAGGCAATTTTACTACCC 925
1493 CTTACCTGTGAAACTGTGATTTTTCCTGGGCTATTTGGTGGAGAGGGCTTTTCTTATCC 1552
926 AGAGGAAGCGCGCTTTCCTTGGGGGTCCAGGGTCTCCAGATATCTCGGCTGGAAGT 985
1553 ACCTCATGTTGGATATCTCTTGGCACTCAATAGATCCGCAATATGTCTCTCTAGAAGT 1612
986 TCACTACCAACCCACTGGTGATAGAGGACGAAACGACTCTCTCAGGCATCCGCTTGTGA 1045
1613 CCATTATGATAATCCCACTTATGAGGAAGGCTTAATAGATAATTTCTGACTGAGTTATT 1672
1046 CTACACAGCAAGCTGCGGCTTCAACGGGGGATCATGGAGCTGGGACTGGGTGTACAC 1105
1673 TTACACATGGATATAAGGAATATGATCTGGGGTATTGAGGCTGGGCTCTGGGTGAG 1732
1106 GCAGTGTATGGCAATTCACACCGGAGACCGCCCTTCTCATCTGCTACTGCTGACACGA 1165
1733 CCTCTTCATACCATCCCTCCAGGGATGCTTCCAGTCTGAGGCTGAGGCTGACATGCACTTT 1792
1166 CAAGTGCAACCCAGCTGGCACTG 1187
1793 GGAGTGCTCGGAAGAGGCTCTG 1814

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RESULT 7

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US-09-252-991A-7485
; Sequence 7485, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7485
; LENGTH: 1668
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7485

```

Query Match 1.7%; Score 45.2; DB 4; Length 1668;
 Best Local Similarity 52.1%; Pred. No. 0.25;
 Matches 101; Conservative 0; Mismatches 93; Indels 0; Gaps 0;
 30 AGCATGGGGAGGAGCGCTTTCATGATACGACAGCAGTGGCCATCTTCTGGTGCATCCTG 89
 67 ACCGTTTGAATGGAGCCCGTCATGCGCTCTCGCGCTTTATCTCTGTTCTCGCCCTG 126
 90 GTGGCCGCACTGAGGGCTCGGCTCCCGGTGAGAGCCCTCCCTATACATATCCCTG 149

Db 127 CTGCTCGCCGAGCCGCGCCGCTCCGCTTGTAGCGTGTGCACCGAAGCCAGCCCGAG 186
Qy 150 GACCCGAGGGTCCCTGAGCTCTCATGGAATGTCAGTACACCCAGAGGCCATCCAT 209
Db 187 GCTTCGAGCTGGTCCAGTACAACTCGATGACCACCAAGCCCTCGGCCGATGTGCTG 246
Qy 210 TTCCAGCTCCTGGT 223
Db 247 ATGAATCGCTGGT 260

RESULT 8

US-09-252-991A-7425
; Sequence 7425, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7425
; LENGTH: 1719
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7425

Query Match 1.7%; Score 45.2; DB 4; Length 1719;
Best Local Similarity 52.1%; Pred. No. 0.25;
Matches 101; Conservative 0; Mismatches 93; Indels 0; Gaps 0;
Qy 30 AGCATCGCGGAGGAGCCCTTCATGTACAGCACAGTCAGTGGCCATCTTCTGTCATCTG 89
Db 32 ACCGTTCAATGGAGCCGCTATGCGCTTCGCGCTTTATCTCTGTTCTCGCCCTCG 91
Qy 90 GTGCGGCACATGCAGGGTCTCGGCTCCCGTGGAGAGCCCTTCCCTATFACATCCCCCTG 149
Db 92 CTGCTCGCCAGCCGCGCGCTGCGCTTGGCGTGTGCACCGAAGCCAGCCCGAG 151
Qy 150 GACCCGAGGGTCCCTGAGCTCTCATGGAATGTCAGTACACCCAGAGGCCATCCAT 209
Db 152 GGCTTCGACGTGGTCCAGTACAACTCGATGACCACCAAGCCCTCGGCCGATGTGCTG 211
Qy 210 TTCCAGCTCCTGGT 223
Db 212 ATGAATCGCTGGT 225

RESULT 9

US-09-252-991A-9104/c
; Sequence 9104, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 9104
; LENGTH: 696

; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9104
Query Match 1.7%; Score 45; DB 4; Length 696;
Best Local Similarity 46.4%; Pred. No. 0.21;
Matches 147; Conservative 0; Mismatches 170; Indels 0; Gaps 0;
Qy 92 GGCGCAGTGCAGGGCTCGGCTCCCGTGGAGAGCCCTCCCTATACATCCCCCTGGA 151
Db 571 GGCGCAGTGCAGGTGGCGCGCGCGCTGTTCCCAAGCTGACCTTGAGGGCTCGCT 512
Qy 152 CCCGAGGGTCCCTGGAGCTCTCATGGAATGTCAGTACACCCAGAGGCCATCCATTT 211
Db 511 GTGCTCGGGCGCAACCGCGCGCGCACATTTCCGCAACCCCTATTACAACCTGGGCGC 452
Qy 212 CCAGCTCTGTTGGAGGCTCAAGGTGGCGTCTGTTGGGATGTCGACCGTGGGA 271
Db 451 CAACCTGCTCGCCCGCATCTTTCAACACGCGCGCTGCGCGCGAGCGCGCAGCCT 392
Qy 272 GCTTGAGAACACAGATCTCTGTTGGTCTTGACCGATGGGACACTGCTATTTTGGCGA 331
Db 391 GGCGCGCAGGAAGACTGCTGGAACTACCGAAGCGATCTCACCGCTTTGCCGA 332
Qy 332 CGCTGGAGTACCAAGGGGCGAGATCCACTTGGATCCCGCAGAGGACTACCACTGCT 391
Db 331 CACCGAAGCTGCTGTAACAGCATCGAGCGCTCGACCGCAGCTGCACTGGCAGCAGA 272
Qy 392 GCAGTGCAGGAGGCC 408
Db 271 GGAGCTGGAGCAGGCGC 255

RESULT 10

US-09-252-991A-8878
; Sequence 8878, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 8878
; LENGTH: 753
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-8878

Query Match 1.7%; Score 45; DB 4; Length 753;
Best Local Similarity 46.4%; Pred. No. 0.21;
Matches 147; Conservative 0; Mismatches 170; Indels 0; Gaps 0;
Qy 92 GGCGCAGTGCAGGGCTCGGCTCCCGTGGAGAGCCCTCCCTATACATCCCCCTGGA 151
Db 172 GGCGCAGTGCAGGTGGCGCGCGCTGTTCCCAAGCTGACCTTGAGGGCTCGCT 231
Qy 152 CCCGAGGGTCCCTGGAGCTCTCATGGAATGTCAGTACACCCAGAGGCCATCCATTT 211
Db 232 GTGCTCGGGCGCAACCGCGCGCGCACATTTCCGCAACCCCTATTACAACCTGGGCGC 291
Qy 212 CCAGCTCTGTTGGAGGCTCAAGGTGGCGTCTGTTGGGATGTCGACCGTGGGA 271
Db 292 CAACCTGCTCGCCCGCATCTTTCAACACGCGCGCTGCGCGCGAGCGCGCAGCCT 351
Qy 272 GCTTGAGAACGAGATCTCGTGGTGTCTGACCGATGGGACACTGCTATTTTGGGA 331

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Db 352 GCGCGCCAGGAAGAACTGCTGAAACCTTACCGAAGCGATCTCTACCGCCTTTGCCGA 411
QY 332 CCCTGGAGTGACCAAGAGGCGACATCCACTGTGATCCCGAGGAGTACCACTGCT 391
Db 412 CACCGAAGCTGCTGGAACAGCATCGACGGCCTCGACCGCCAGCTGCACTGGCAGCA 471
QY 392 GCAGGTGCAGAGGACCC 408
Db 472 GGAGCTGGAGCGGC 488

RESULT 11
US-09-252-991A-8986
; Sequence 8986, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 8986
; LENGTH: 3450
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-8986

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Query Match 1.7%; Score 45; DB 4; Length 3450;
Best Local Similarity 46.4%; Pred. No. 0.35; Indels 0; Gaps 0;
Matches 147; Conservative 0; Mismatches 170;

QY 92 GCGCGCACTGCGGGCTCGGCTCCCGTGGAGAGCCCTCCCTATCACATCCCTCTGGA 151
Db 2928 GCGCGAGCTGCGAGTGGCGCGCGGCTGTTCCCAAGCTGACCTGAGCGCTCGCT 2987
QY 152 CCGGAGGGTCCCTGGAGTCTCATGATGTGAGTACACGAGGAGGCATTCATTT 211
Db 2988 GTGCTCGCGGCCAACCGCGCGCCGACACTTTCCGCAACCCCTATTACAACTGGCGC 3047
QY 212 CCAGCTCTGTTGGCGGAGGCTCAAGGCTGGCGTCTGTTGGGATGCCGACGTCGCGA 271
Db 3048 CAACCTGCTGCCCCGATCTTCACACGCGCGCTCGCGCGGAGCGCGACGCT 3107
QY 272 GCTTGAGAACGAGATCTGTTGGTCTTGGAACGATGGGACACTGCTTATTTGCGGA 331
Db 3108 GCGCGCCAGGAAGAACTGCTGGAACCTTACCGCAAGGCGATCCTCACCGCCTTTGCCGA 3167
QY 332 CGCTGGAGTGACAGAGGGGAGATCCACCTGGATCCCGAGGAGTACCACTGCT 391
Db 3168 CACGGAACGCTGCTGGAACAGCATCGACGGCCTCGACCGCCAGCTGCACTGGCAGCA 3227
QY 392 GCAGGTGCAGAGGACCC 408
Db 3228 GGAGCTGGAGCGGC 3244

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RESULT 12
US-08-403-852D-4
; Sequence 4, Application US/08403852D
; Patent No. 5891695
; GENERAL INFORMATION:
; APPLICANT: Blanc, Veronique
; APPLICANT: Blanche, Francis
; APPLICANT: Crouzet, Joel
; APPLICANT: Jacques, Nathalie
; APPLICANT: Lacroix, Patricia
; APPLICANT: Thibaut, Denis

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; APPLICANT: Zagorec, Monique
; APPLICANT: Debussche, Laurent
; APPLICANT: De Crecy-Lagard, Valerie
; TITLE OF INVENTION: Polypeptides Involved In The
; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences
; TITLE OF INVENTION: Coding For These Polypeptides And Their Use
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/403,852D
; FILING DATE: 10-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR 93/00923
; FILING DATE: 25-SEP-1993
; PRIOR APPLICATION DATA: FR 92/11441
; FILING DATE: 25-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03806.0054-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1208 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: S.pristinaespiralis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1208
; US-08-403-852D-4

```

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Query Match 1.6%; Score 44.4; DB 2; Length 1208;
Best Local Similarity 46.8%; Pred. No. 0.35;
Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

QY 1152 GGCTACTGCACGCAAGTGACCCAGCTGGCAGTCCCTCCCGGGATCCACATCTTC 1211
Db 403 GGCTAGCCACGACGAGACCCCTCGTGTGTCGCTGCGCATCGAGCTGCCACCGC 462
QY 1212 GCCTCTCAGTCCACACACACTGACTGGGAGAAAGTGTGTCAGAGTGTGTCGGGAC 1271
Db 463 CTCTCGCGCGGCTCACCGAGGTCCGCAAGGACGCGCTCCCTACTCTGCGCCCCGAC 522
QY 1272 GSCCGG---GAGTGGGAGATGCTGAACGAGGACATCACTACAGCCCTCACTTCAGGAG 1328
Db 523 GCAAGACCCAGGTCAACATCGAGTACCAGGCGACCGCGCTGCGCTGGACACCGTC 582
QY 1329 ATCCGCATGTTGAGAGAGGTGCTGTGCTGCTCCATCCGGGAGATGTGCTCATCACCTCTTC 1388
Db 583 GTCGTCTCTCCAGCAGCGCGGACATCGACCTCGGCTCCCTGCTCACTCCCGGACATC 642
QY 1389 AGGTACACACGGAAGACCGGAGCTGGCCACAGTGGGGGGCTTCGGGATCTCTGAGGAG 1448

```


Db 643 CGCAGCAGCTGCTCGAGCAGCTCTCGCGCAGCTCGCGGAGGACGGGATCAAGCTCGAG 702
Qy 1449 ATGTGTGTCAACTAGCTGCTACTACTACCCAGAGAGCTGAGCTCTGCAAGACGGCT 1508
Db 703 ACGGAACTACTCGCTGCTGTCAACCCGACCGGCGCTTCGAGATCGGCGGCCGATG 762
Qy 1509 GTGGACGCGGCTT 1522
Db 763 GCGAGCGCGGCT 776

RESULT 13

US-08-510-646B-4
; Sequence 4, Application US/08510646B
; Patent No. 607699
; GENERAL INFORMATION:
; APPLICANT: Blanc, Veronique
; APPLICANT: Blanche, Francis
; APPLICANT: Crouzet, Joel
; APPLICANT: Jacques, Nathalie
; APPLICANT: Lacroix, Patricia
; APPLICANT: Thibaut, Denis
; APPLICANT: Zagorec, Monique
; APPLICANT: Debussche, Laurent
; APPLICANT: De Crecy-Lagard, Valerie
; TITLE OF INVENTION: Polypeptides Involved In The
; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences
; TITLE OF INVENTION: Coding For These Polypeptides And Their Use
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/510.646B
; FILING DATE: 03-AUG-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/403,852
; FILING DATE: 10-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR 93/00923
; FILING DATE: 25-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/11441
; FILING DATE: 25-SEP-1992
; NAME: Meyers, Kenneth J.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03806.0054-01000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1208 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: S.prietinaespiralis
; FEATURE:

; NAME/KEY: CDS
; LOCATION: 1..1208
US-08-510-646B-4

Query Match 1.6%; Score 44.4; DB 3; Length 1208;
Best Local Similarity 46.8%; Pred. No. 0.35;
Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

Qy 1152 GGCTACTGCACGGACAAGTGACACAGCTGGCAGCTCCCTCGGGATCCACATCTTC 1211
Db 403 GGCTAGCCACCGAGAGACCCCTCGCTGATGCGCTGCCCATCGAGCTGCCACCGC 462
Qy 1212 GCCTCTCAGCTCCACACACCTGACTGGGAGAAAGTGGTACAGTGTCTGGTCCGGGAC 1271
Db 463 CTCTCGCGCGGCTCACCGAGGTCCGGAAGACGACCGCTCCCTACTCGGCCCGGAC 522
Qy 1272 GGCCGG---GAGTGGGAGATCGTGAACCCAGACACATCACTACAGCCCTCACTTCCAGGAG 1328
Db 523 GGCAAGACCCAGGTCAACATCGAGTACCAAGGCGACCGCGGTGCGCTCGACACCGCTC 582
Qy 1329 ATCCGCATGTTGAAGAAGGTGCTGTGCGTCCATCCGGGAGATGTCTCATCACCTCTCTGC 1388
Db 583 GTCGTCTCTCCAGCAGCGCGCGACATCGACCTCGGCTCCCTGCTCACCCCGACATC 642
Qy 1389 ACGTACAACACGGAAGACCGGGAGCTGGCCACAGTGGGGGGCTTTCGGGATCTTGGAGGAG 1448
Db 643 CGCGAGCAGGTGCTGAGCAGCTCTCGCGCAGTCTCGCCGAGGAGCGCATCAAGCTCGAG 702
Qy 1449 ATGTGTGTCAACTAGCTGCTACTACTACCCAGAGCGAGCTGGAGCTCTTGAAGACGGCT 1508
Db 703 ACGGAACTACTACCGCTGCTGTGTCACCCGACCGCGCTTTCGAGATCGGCGGCCGATG 762
Qy 1509 GTGGACGCGGCTT 1522
Db 763 GCGAGCGCGGCT 776

RESULT 14

US-09-231-818-4
; Sequence 4, Application US/09231818
; Patent No. 6171846
; GENERAL INFORMATION:
; APPLICANT: Blanc, Veronique
; APPLICANT: Blanche, Francis
; APPLICANT: Crouzet, Joel
; APPLICANT: Jacques, Nathalie
; APPLICANT: Lacroix, Patricia
; APPLICANT: Thibaut, Denis
; APPLICANT: Zagorec, Monique
; APPLICANT: Debussche, Laurent
; APPLICANT: De Crecy-Lagard, Valerie
; TITLE OF INVENTION: Polypeptides Involved In The
; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences
; TITLE OF INVENTION: Coding For These Polypeptides And Their Use
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/231,818
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/403,852
; FILING DATE: 10-MAY-1995

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/ APPLICATION NUMBER: PCT/FR 93/00923
/ FILING DATE: 25-SEP-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: FR 92/11441
/ FILING DATE: 25-SEP-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 03806.0054-000000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 408-4000
/ TELEFAX: (202) 408-4400
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1208 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: S.pristinaespiralis
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 1..1208
/
US-09-231-818-4

Query Match 1.6%; Score 44.4; DB 3; Length 1208;
Best Local Similarity 46.8%; Pred. No. 0.35;
Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

QY 1152 GGCTACTGACGGACAAGTGCACCCAGCTGGCACTGCCTCCCTCCGGGATCCACATCTTC 1211
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
403 GGCTACGCCACCGACGAGACCCCTCGTGTGTCGCTGCCATCGAGCTGCCACCGC 462
QY 1212 GCCTCTCAGCTCCACACACACTGACTGGGAGAAGTGTGCACAGTGTGTCGGGAC 1271
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
463 CTCTCGCGCGGCTCACCAGGTCCGCAAGACGGCACCGTCCCTACCTGCGCCCGAC 522
QY 1272 GCGCGG---GAGTGGAGATCGTGAACAGGACCAATCACTACGCCCTCACTTCCAGAG 1328
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
523 GCGAAGACCCAGGTCAACCATCAGTACAGGAGCGCCCGGTGCCCTTGACACCGTC 582
QY 1329 ATCCGCATGTTCAAGAGTGTGTCGTCATCCGGGAGATGTCATCACTCTCTGC 1388
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
583 GTGCTCTCTCCAGACGCGCCGACATCGACCTCGGCTCCCTGCTCACCCCGACATC 642
QY 1389 ACGTACAACAGGACCGGGAGCTGGCCACAGTGGGGGCTTCGGGATCTCGAGGAG 1448
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
643 CGCGAGCACGTGTCGAGCAGTCTCTCGCGCACTCGCCGAGACGGCATCAAGCTCGAG 702
QY 1449 ATGTGTGTCACTAGTGCCTACTACCCCGAGACGAGTGGAGCTTGCAGACGGCT 1508
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
703 ACGAACAATACCCGCTGTGTTCAACCCGACCGGCGGTTTCGAGATCGGCGCGGATG 762
QY 1509 GTGACGCGCGGCTT 1522
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
763 GCGACGCGCGGCT 776

RESULT 15
US-08-403-852D-1
/ Sequence 1, Application US/08403852D
/ Patent No. 5891695
/ GENERAL INFORMATION:
/ APPLICANT: Blanc, Veronique
/ APPLICANT: Blanche, Francis
/ APPLICANT: Crouzet, Joel
/ APPLICANT: Jacques, Nathalie
/ APPLICANT: Lacroix, Patricia
/ APPLICANT: Thibaut, Denis
/ APPLICANT: Zagorec, Monique

/ APPLICANT: Debussche, Laurent
/ APPLICANT: De Crecy-Lagard, Valerie
/ TITLE OF INVENTION: Polypeptides Involved In The
/ TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences
/ TITLE OF INVENTION: Coding For These Polypeptides And Their Use
/ NUMBER OF SEQUENCES: 43
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fimegan, Henderson, Farabow, Garrett & Dunner
/ STREET: 1300 I Street, N.W., Suite 700
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/403,852D
/ FILING DATE: 10-MAY-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: PCT/FR 93/00923
/ FILING DATE: 25-SEP-1993
/ APPLICATION DATA:
/ APPLICATION NUMBER: FR 92/11441
/ FILING DATE: 25-SEP-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 03806.0054-000000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 408-4000
/ TELEFAX: (202) 408-4400
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 5392 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: S.pristinaespiralis
/
US-08-403-852D-1

Query Match 1.6%; Score 44.4; DB 2; Length 5392;
Best Local Similarity 46.8%; Pred. No. 0.57;
Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

QY 1152 GGCTACTGACGGACAAGTGCACCCAGCTGGCACTGCCTCCCTCCGGGATCCACATCTTC 1211
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
3960 GGCTACGCCACCGACGAGACCCCTCGTGTGTCGCTGCCATCGAGCTGCCACCGC 4019
QY 1212 GCCTCTCAGCTCCACACACACTGACTGGGAGAAGTGTGCACAGTGTGTCGGGAC 1271
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
4020 CTCTCGCGCGGCTCACCAGGTCCGCAAGACGGCACCGTCCCTACCTGCGCCCGAC 4079
QY 1272 GCGCGG---GAGTGGGAGATCGTGAACAGGACCAATCACTACAGCCCTCACTTCCAGGAG 1328
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
4080 GCGAAGACCCAGGTCAACCATCAGTACAGGACCGCCCGGTGGCTGGCTGGACACCGTC 4139
QY 1329 ATCCGCATGTTGAAGAGTGTGTCGCTCCATCCGGGAGATGTGCTATCACTCTCTGC 1388
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
4140 GTGCTCTCTCCAGCACGCCCGGACATCGACCTCGGCTCCCTGCTCACCCCGACATC 4199
QY 1389 ACGTACAACAGGACCGGGAGCTGGCCACAGTGGGGGGCTTCGGGATCTCGAGGAG 1448
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
4200 CGCGAGCAGTGTGTCGAGCACGCTCTGCGCGCACTCGCCGAGGACGGCATCAAGCTCGAG 4259
QY 1449 ATGTGTGTCACTAGTGCCTACTACCCCGACGAGCTGGAGCTTGCAGACGGCT 1508
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Db 4260 ACGGACAACCTACCGCTGCTGTCACACCGACCGCGCTTCGAGATCGGGGCCCCGATG 4319

Qy 1509 GTGGACGCGGCTT 1522

Db 4320 GCGGACGCGGCTT 4333

RESULT 16

US-08-510-646B-1

; Sequence 1, Application US/08510646B

; Patent No. 6077699

; GENERAL INFORMATION:

; APPLICANT: Blanc, Veronique

; APPLICANT: Blanche, Francis

; APPLICANT: Crouzet, Joel

; APPLICANT: Jacques, Nathalie

; APPLICANT: Lacroix, Patricia

; APPLICANT: Thibaut, Denis

; APPLICANT: Zagorec, Monique

; APPLICANT: Debussche, Laurent

; APPLICANT: De Crecy-Lagard, Valerie

; TITLE OF INVENTION: Polypeptides Involved In The

; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences

; TITLE OF INVENTION: Coding For These Polypeptides And Their Use

; NUMBER OF SEQUENCES: 45

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner

; STREET: 1300 I Street, N.W., Suite 700

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20005-3315

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/510.646B

; FILING DATE: 03-AUG-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/403,852

; FILING DATE: 10-MAY-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/FR 93/00923

; FILING DATE: 25-SEP-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: FR 92/11441

; FILING DATE: 25-SEP-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Meyers, Kenneth J.

; REGISTRATION NUMBER: 25,146

; REFERENCE/DOCKET NUMBER: 03806.0054-01000

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 408-4000

; TELEFAX: (202) 408-4400

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5392 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; ORIGINAL SOURCE:

; ORGANISM: S.pristinaespiralis

US-08-510-646B-1

Query Match 1.6%; Score 44.4; DB 3; Length 5392;

Best Local Similarity 46.8%; Pred. No. 0.57;

Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

Qy 1152 GGCTACTGCACGGACAAGTGACCCAGCTGGCACTGCCTCCCTCCGGGATCCACATCTTC 1211

Db 3960 GGCTAGGCCACCGAGGAGACCCCTCGCTGATCGCGCTGCCCATCGAGCTCGCCACCGC 4019

Qy 1212 GCCTCTAGCTCCACACACACCTGACTGGGAGAAGGTGGTACAGTCTGGTCCGGGAC 1271

Db 4020 CTCTCGCGCGGCTCACCGAGGTCGCAAGGACGGCACCGTCCCTACTCTGGCCCCGAC 4079

Qy 1272 GGCCGG--GAGTGGGAGATCGTGAACCCAGGACAAATCACTACAGCCCTCACTTCCAGGAG 1328

Db 4080 GGCAAGACCCAGGTCAACATCGAGTACCAAGGGAGCCGCCGGTGGCTTGACACCGTTC 4139

Qy 1329 ATCCGCATGTTGAAGAAGGTCTGTGCGTCCATCCGGGAGATGTGCTCATCACCTCTCTGC 1388

Db 4140 GTCGTCTCTCCAGCAGCGCGGACATCGACCTCGGCTCCCTGCTCACCCCGACATC 4199

Qy 1389 ACGTACAACACGGAAGACCGGGAGCTGGCCACAGTGGGGGCTTCGGGATCTCGAGGAG 1448

Db 4200 CGCGAGCAGCTGCTGCGAGCACGCTCTCGCCGCACTCGCCGAGGACGGCATCAAGCTCGAG 4259

Qy 1449 ATGTGTGTCACTACGTGCACTACTACCCCGACAGCAGCTGGAGCTCTGCAAGACGCT 1508

Db 4260 ACGGACAACCTACCGCTGCTGTCACCCGACCGGCGCTTCGAGATCGGGCCCCGATG 4319

Qy 1509 GTGGACGCGGCTT 1522

Db 4320 GCGGACGCGGCTT 4333

RESULT 17

US-09-231-818-1

; Sequence 1, Application US/09231818

; Patent No. 6171846

; GENERAL INFORMATION:

; APPLICANT: Blanc, Veronique

; APPLICANT: Blanche, Francis

; APPLICANT: Crouzet, Joel

; APPLICANT: Jacques, Nathalie

; APPLICANT: Lacroix, Patricia

; APPLICANT: Thibaut, Denis

; APPLICANT: Zagorec, Monique

; APPLICANT: Debussche, Laurent

; APPLICANT: De Crecy-Lagard, Valerie

; TITLE OF INVENTION: Polypeptides Involved In The

; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences

; TITLE OF INVENTION: Coding For These Polypeptides And Their Use

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner

; STREET: 1300 I Street, N.W., Suite 700

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20005-3315

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/231,818

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/403,852

; FILING DATE: 10-MAY-1995

; APPLICATION NUMBER: PCT/FR 93/00923

; FILING DATE: 25-SEP-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: FR 92/11441

; FILING DATE: 25-SEP-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Meyers, Kenneth J.

REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03806.0054-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5392 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: S.pristinaeaspiralis
US-09-231-818-1

Query Match
Best Local Similarity 1.6%; Score 44.4; DB 3; Length 5392;
Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;
QY 1152 GGCTACTGTCAGCAGCAAGTGCACCCAGCTGGCACTGCCTCCCGGGATCCACATCTTC 1211
Db GGTACGCCACCGACAGACCCCTCGCTGATGCCGCTGCCATCGAGCTGCCACCGC 4019
QY 1212 GCTCTCAGCTCCACACACCTGACTGGGAGAAAGTGGTCACAGTGTCTGTCGGGAC 1271
Db CTCTCGCGCGCTCACCGAGTCCGCAAGAGCGCACCGTCCCTACTCTGCGCCCGAC 4079
QY 1272 GCGCGG--GAGTGGGAGATCTGAGAACAGGCAATCACTACAGCCCTCACTTCCAGGAG 1328
Db GGCAAGACCCAGGTCAACATCAGTACCAAGGCGAGCGCCCGCGTGGCTGGACACCGTC 4139
QY 1329 ATCCGATGTTCAAGAAGTCTGTCGCTCCATCCGGAGATGCTCATCACTACCTCTCTGC 1388
Db GTGCTCTCTCCAGACGCGCCGACATGACCTCGCTCCCTGCTACCCCGGATC 4199
QY 1389 AGCTACACACGGAAGACGGGAGTGGCCACAGTGGGGGCTTCGGGATCCTGGAGGAG 1448
Db CGCGAGCACGTGTCGAGACGCTCTCGCCGCACTCGCCGAGGAGCGCATCAAGCTCGAG 4259
QY 1449 ATGTGTGTTCACTAGTCACTACTACCCAGAGGAGTGGAGCTCTGGAAGCGGCT 1508
Db ACGGACAACTACCGCTCTGCTGTTCAACCCGACCGGCGGCTTCGAGATCGCGCCCGATG 4319
QY 1509 GTGAGCGCGGCTT 1522
Db GCGGACGCGCGCT 4333

RESULT 18
US-09-252-991A-10998
; Sequence 10998, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10998
; LENGTH: 993
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10998

Query Match
Best Local Similarity 1.6%; Score 43.8; DB 4; Length 993;
Matches 144; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
QY 1277 GGAGTGGGAGATCGTGAACACGAGCAATCACTACAGCCCTCACTTCCAGGAGATCCGCAT 1336
Db GGAGCCGAAGATCTGCTCTCGAGCAACCTTCGCGGCCCTCGACGCCAAGGTACGCAA 521
QY 1337 GTTGAAGAAGTGTGTCGGTCCATCCGGAGATGTCTCATCCTCTCGACGTACAA 1396
Db GGAGCTGGCGCTGGCTGGCGCTCGACAGGAGATCAACCTGACCTCGGTGTCTGT 581
QY 1397 CACGGAAGACGGGAGCTGGCCACAGTGGGGGCTTCGGGATCTCGAGGAGATGTGT 1456
Db CACCCACGACGAGAAAGCGATGGAAGTGGCGGCGCATCTGTGATGAACAGGG 641
QY 1457 CAACTAGTGCATCTACCCCGACAGCGAGCTGGAGCTCTGCAAGACGGCTGTGACGC 1516
Db CGTGATCGAGCATCGGCTCGCCCGGAGGCTTACGAGAACCCGCCAGCGATTTCGT 701
QY 1517 CGGCTTCTCAGAAAGTACTTCCACCTCATCAACAGGTTCAACACGAGAGATGTCTGCAC 1576
Db CTACCACTTCTCGGCGACTTCAACCGCTGCAACTGGGCAACGACCACTGCTGT 761
QY 1577 CTGCCCTCAGG 1587
Db CGCCCCCAGC 772

RESULT 19
US-09-252-991A-10934
; Sequence 10934, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10934
; LENGTH: 1335
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10934
Query Match
Best Local Similarity 1.6%; Score 43.8; DB 4; Length 1335;
Matches 144; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
QY 1277 GGAGTGGGAGATCGTGAACACGAGCAATCACTACAGCCCTCACTTCCAGGAGATCCGCAT 1336
Db GGAGCCGAAGATCTGCTCTCGAGCAACCTTCGCGGCCCTCGACGCCAAGGTACGCAA 498
QY 1337 GTTGAAGAAGTGTGTCGGTCCATCCGGAGATGTCTCATCCTCTCGACGTACAA 1396
Db GGAGCTGGCGCTGGCTGGCGCTTCGACGAGGAGATCAACCTGACCTCGGTGTCTGT 558
QY 1397 CACGGAAGACGGGAGCTGGCCACAGTGGGGGCTTCGGGATCTCGAGGAGATGTGT 1456
Db CACCCACGACGAGAAAGCGATGGAAGTGGCGGCGCATCTGTGATGAACAGGG 618
QY 1457 CAACTAGTGCATCTACCCCGACAGCGAGCTGGAGCTCTGCAAGACGGCTGTGACGC 1516
Db CGTGATCGAGCATCGGCTCGCCCGGAGGCTTACGAGAACCCGCCAGCGATTTCGT 678
QY 1517 CGGCTTCTCAGAAAGTACTTCCACCTCATCAACAGGTTCAACACGAGAGATGTCTGCAC 1576

Db 679 CTACCACTTCCTCGGCGACTCAACCCGCTGCAACTGGGCAACGACGACCTGCTGTT 738
Qy 1577 GTGCCCTCAGG 1587
Db 739 CCGCCCCCAGC 749

RESULT 20

US-09-252-991A-11254/c
; Sequence 11254, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 11254
; LENGTH: 2178
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-11254

Query Match 1.6%; Score 43.8; DB 4; Length 2178;
Best Local Similarity 46.3%; Pred. No. 0.58;
Matches 144; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
Qy 1277 GGAGTGGGAGATCGTGAACAGGACCAATCACTACAGCCCTCACCTCCAGGAGATCCGCAT 1336
Db 802 GGACCCGAAGATCTGCTCTCGAGAACCTTCGGGGCCCTCGACGCAAGGTACGCAA 743
Qy 1337 GTTGAAGAAGTGTGTGGTCCATCCGGGAGATGTGCTCATACCTCTCTGACAGTACAA 1396
Db 742 GGAGTGGCGCGTGGTGGCGGCTGCACGAGGAGATCAACTGACCTCGGTGTTGCT 683
Qy 1397 CACGGAGACCGGAGCTGGCCACAGTGGGGGCTTCGGGATCTCGAGAGATGTGTGT 1456
Db 682 CACCCAGACAGAGAGAGCGATGGAAGTGGCGACCGCATCGTGTGATGAACAAGGG 623
Qy 1457 CAACTAGTGCATCTACCCCAAGACGACGCTGAGCTCTGCAAGACGGTGTGGACGC 1516
Db 622 CGTATGAGCAGATCGCTCGCCGGGAGGTCTAGAGAACCCGGCCAGCGATTTCTGT 563
Qy 1517 CGGCTTCCTGCAAGTACTTCCACCTCATCAACAGGTTCAACACGAGGATGTCTGCAC 1576
Db 562 CTACCACTTCCTCGGCGACTCCAACCGCTGCAACTGGGCAACGACGACCTGCTGTT 503
Qy 1577 GTGCCCTCAGG 1587
Db 502 CCGCCCCCAGC 492

RESULT 21

US-09-548-938A-1
; Sequence 1, Application US/09548938A
; Patent No. 6573086
; GENERAL INFORMATION:
; APPLICANT: EMALFARB, MARK AARON
; APPLICANT: BURLINGAME, RICHARD PAUL
; APPLICANT: OLSON, PHILIP TERRY
; APPLICANT: SINITSYN, ARKADY PANTELEIMONOVICH
; APPLICANT: PARRICHE, MARTINE
; APPLICANT: BOUSSON, JEAN CHRISTOPHE
; APPLICANT: PYNNONEN, CHRISTINE MARIE
; APPLICANT: PUNT, PETER JAN
; APPLICANT: VAN-ZEIJL, CORNELIA MARIA JOHANNA
; TITLE OF INVENTION: TRANSFORMATION SYSTEM IN THE FIELD OF FILAMENTOUS FUNGI

; FILE REFERENCE: 3123-4001
; CURRENT APPLICATION NUMBER: US/09/548,938A
; CURRENT FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4451
; TYPE: DNA
; ORGANISM: Chrysosporium lucknowense
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (2941)
; OTHER INFORMATION: a, t, c, g, other or unknown
US-09-548-938A-1

Query Match 1.6%; Score 43; DB 4; Length 4451;
Best Local Similarity 43.2%; Pred. No. 1.1; Indels 0; Gaps 0;
Matches 202; Conservative 0; Mismatches 266;
Qy 1379 CACCTCTGCACGTACAAACGAGACCGGAGCTGGCCACAGTGGGGGCTTCGGGAT 1438
Db 2878 CAACTCCATCACCCAGGACTGGTCCGACCGCCAGAGGCGCCCTTCGCGAGGTGACCGA 2937
Qy 1439 CTTGGAGGAGATGTGTCAACTAGTGCATCTACTACCCCAAGACGAGCTGGAGCTCTG 1498
Db 2938 CTTNCAGSACAAGGGCGCATGGTCCAGATGGGCAAGGCCCTTCGCGGGGCCCATGTGCT 2997
Qy 1499 CAAGACGGCTGTGGACGCGCGCTTCCTGCAAGAGTACTTCCACCTCATCAACAGTTCAA 1558
Db 2998 CGTCATGTCCATCTGGGACGACCAACGCGCTCAACATGCTCTGGCTCGACTCCACCTGGCC 3057
Qy 1559 CAACGAGGATGTGCACTGCGCTCAGGGGTCGCTCTCAGCAGTTCACTCTGTTCC 1618
Db 3058 CATCGAGCGCGCGGCAAGCGGGGCGGAGCGGGTGCCTGCCCCACACCTCGGGCGT 3117
Qy 1619 CTGGAATCTTCAACGCGACGTACTGAAGGCGCTGTAAGTTCGCGGCCATCTCCAT 1678
Db 3118 CCGCGTGTAGTGCAGCGCCGAGGCCCACTCAACGTCATCTTCTCAACATCCGCTT 3177
Qy 1679 GCACTGCAACAAGTCTCAGCGCTCGCTTCCAGGGTGAATGGAACCTGCGAGCCCCCTGCC 1738
Db 3178 CGGCCCATCGGCTCCACCTCTCCGCGCTCGCCGCGGAGCGGCGCAACCCCAACCC 3237
Qy 1739 CAAGGTCTATCCACACTGGAAGAGCCACCCACAGTGGCCCAAGCCAGCGGCGCGAAG 1798
Db 3238 GCCGTGAGTCTCCACCCCGTCCCTCTCTGTCACCACTCTCTCCGTTCTCCGG 3297
Qy 1799 CCTGTGTGCCCCACCGTTGTCTAGCATTTGTGGGGGCAAGGTGAGG 1846
Db 3298 CCGGACTGGCGGCAAGGCTGCTGCTAAGCACTATGAGCAATGCGGAGG 3345

RESULT 22

US-08-386-727-7
; Sequence 7, Application US/08386727
; Patent No. 5792647
; GENERAL INFORMATION:
; APPLICANT: ROSEMAN, SAUL
; APPLICANT: BASSLER, BONNIE
; APPLICANT: KEYHANI, NEMAT O.
; APPLICANT: CHITLARI, EDITH
; APPLICANT: ROWE, CHRIS
; APPLICANT: YU, CHARLES
; TITLE OF INVENTION: BACTERIAL CATABOLISM OF CHITIN
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1100 NEW YORK AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: US/08/386,727

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: HOBBS, ANN S.
REGISTRATION NUMBER: 36,830
REFERENCE/DOCKET NUMBER: 4130/206916
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 2951 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-386-727-7

Query Match 1.6%; Score 42.8; DB 1; Length 2951;

Best Local Similarity 49.1%; Pred. No. 1.1;

Matches 113; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 378 GACTACACCTGTCGAGTGCAGAGGACCCAGAGGCGCTGACCTCTTTTCAAGAGG 437

Db 836 GGCAACCTGATGGCTGAAGAAAGCCAAACCTCAAGATCCTGCCCTTCGGTGGT 895

QY 438 CCCTTGGCACCCTGGAGCGGCTGAGGACCCCAAGGATTACCTCATTTGAAGCGGCACTGTCCACTTGGTC 497

Db 896 GGCTGACCTGTCGACCCCTTCTACTTCTCAGTGACAAGACAAGCGGCAACCTTC 955

QY 498 TACGGATCCTGAGAGCGGCTTCGGTCACTGGAGGCCATCAACGCTCGGGCTGCAG 557

Db 956 GTGCGCTCATGAAGGATCTCGAGACCTTGGAAATTTCTCGATGGCGTGACATCGAC 1015

QY 558 ATGGGGTGCAGAGGCTGAGTCTCTGAAGCCCAATATCCCGAACCGGA 607

Db 1016 TGGGAGTTCCTGGTGGCGAGGTCGACCTGCAACCCCAATCTGGTGGCCCGAA 1065

RESULT 23

US-08-600-452A-7

Sequence 7, Application US/08600452A

Patent No. 5985644

GENERAL INFORMATION:

APPLICANT: ROSEMAN, SAUL

APPLICANT: BASSLER, BONNIE

APPLICANT: KEYHANI, NEMAT O.

APPLICANT: CHITLURU, EDITH

APPLICANT: ROWE, CHRIS

APPLICANT: YU, CHARLES

TITLE OF INVENTION: BACTERIAL CATABOLISM OF CHITIN

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: FISH & RICHARDSON P.C.

STREET: 4225 Executive Square, Suite 1400

CITY: La Jolla

STATE: CA

COUNTRY: USA

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/600,452A

FILING DATE: 13-FEB-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Haile, Lisa A.

REGISTRATION NUMBER: 38,347

REFERENCE/DOCKET NUMBER: 07662/005001

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 678-5070

TELEFAX: (619) 678-5099

TELEX:

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 2951 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-600-452A-7

Query Match 1.6%; Score 42.8; DB 2; Length 2951;

Best Local Similarity 49.1%; Pred. No. 1.1;

Matches 113; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 378 GACTACACCTGTCGAGTGCAGAGGACCCAGAGGCGCTGACCTCTTTTCAAGAGG 437

Db 836 GGCAACCTGATGGCTGAAGAAAGCCAAACCTCAAGATCCTGCCCTTCGGTGGT 895

QY 438 CCCTTGGCACCCTGGAGCGGCTGAGGACCCCAAGGATTACCTCATTTGAAGCGGCACTGTCCACTTGGTC 497

Db 896 GGCTGACCTGTCGACCCCTTCTACTTCTCAGTGACAAGACAAGCGGCAACCTTC 955

QY 498 TACGGATCCTGAGAGCGGCTTCGGTCACTGGAGGCCATCAACGCTCGGGCTGCAG 557

Db 956 GTGCGCTCATGAAGGATCTCGAGACCTTGGAAATTTCTCGATGGCGTGACATCGAC 1015

QY 558 ATGGGGTGCAGAGGCTGAGTCTCTGAAGCCCAATATCCCGAACCGGA 607

Db 1016 TGGGAGTTCCTGGTGGCGAGGTCGACCTGCAACCCCAATCTGGTGGCCCGAA 1065

RESULT 24

US-09-103-840A-2/c

Sequence 2, Application US/09103840A

Patent No. 6294328

GENERAL INFORMATION:

APPLICANT: FLEISCHMAN, Robert D.

APPLICANT: WHITE, Owen R.

APPLICANT: FRASER, Claire M.

APPLICANT: VENTER, John C.

TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM

FILE REFERENCE: 24366-20007.00

CURRENT APPLICATION NUMBER: US/09/103,840A

CURRENT FILING DATE: 1998-06-24

NUMBER OF SEQ ID NOS: 2

SOFTWARE: Patent In Ver. 2.1

SEQ ID NO 2

LENGTH: 4403765

TYPE: DNA

ORGANISM: Mycobacterium tuberculosis

FEATURE:

OTHER INFORMATION: CDC 1551

OTHER INFORMATION: "n" bases at various positions throughout the sequence

OTHER INFORMATION: represent a, t, c or g

US-09-103-840A-2

Query Match

Best Local Similarity

Matches

Conservative

Mismatches

Indels

Gaps

1;

QY

424

TGCTTTTCAAGAGGCGCTTTTGGCACCCTGGAGGCGGCAATACCTCATTGAAGCGGCA

483

Db

1605204

TGCTTTTCAAGAGGCGCTTTTGGCACCCTGGAGGCGGCAATACCTCATTGAAGCGGCA

1605145

QY 484 CTGTCACCTTGGTCTACGGGATCTCTGGAGAGCCGTTCCGGTCACTTGAGAGCCATCAACG 543
Db 1605144 ATCAACTGGTCGGCCACCAGGTCAACGAGCGAGCGGATTCACCAAGCTCGATGATC 1605085
QY 544 GCTGGGCTCAGATGGGGTGCAGAGGTGCAGCTCTGAGCCCAATATCCCGAAC 603
Db 1605084 GTCGACACCCGGTCAAGGGGTCAGAGCGACAGTACTCATCGCCACCTCCAAGAAA 1605025
QY 604 CGGAGTTGCCCTCAGACCGCGTCACCATGAGGTTCCAGCTCCCAATATCCAGATCCCA 663
Db 1605024 CGCGATGCCGAGCCGTCGCCCGAACCAACCGGACACAGATATCAGCTGGCC 1604965
QY 664 GCCAGGAGACCACTGACTGCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db 1604964 CGCGCGGGGGTATGCCAGCGCGCGCTCGAGCGCTCCACCAAGGACTCGGGGTATCG 1604905
QY 724 ACATTATCAAGTACGAGCCCATCTGTACCAAGGCAATGAGCCCTTGTCCACCATGG 783
Db 1604904 CGAT--CCAAATAGTGAACGGCGCTACGAAATTTCTGGTGTATGTCGCCCGCACAGGT 1604847
QY 784 AAGTCTTCCAGTGGCGCCCGAGATGGACAGCGTCCCGCACTTCAGCGGGCCCTGCGACT 843
Db 1604846 CCGCATCCGCGCTGTAACTCCAGCCCCGAATCTCGCCCTTCTATTTGTCAACAACACT 1604787
QY 844 CCAAGATGAACCCGACCGCTCAACTACTGCCCGACGCTGCTGGCCGCTGGGCCCTG 902
Db 1604786 CGGAGATGAAGTCAATCGCGGAATCAACTGCTATGCGGGCGATCACCGAATGGCCCG 1604728

RESULT 25

US-09-103-840A-1/c

; Sequence 1, Application US/09103840A

; Patent No. 6294328

; GENERAL INFORMATION:

; APPLICANT: FLEISCHMAN, Robert D.

; APPLICANT: WHITE, Owen R.

; APPLICANT: FRASER, Claire M.

; APPLICANT: VENTER, John C.

; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM

; FILE REFERENCE: 24366-20007.00

; CURRENT APPLICATION NUMBER: US/09/103,840A

; CURRENT FILING DATE: 1998-06-24

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: Patent In Ver. 2.1

; SEQ ID NO 1

; LENGTH: 4411529

; TYPE: DNA

; ORGANISM: Mycobacterium tuberculosis

; OTHER INFORMATION: H37Rv

US-09-103-840A-1

Query Match 1.6%; Score 42.6; DB 3; Length 4411529;
Best Local Similarity 44.5%; Pred. No. 13;
Matches 213; Conservative 0; Mismatches 264; Indels 2; Gaps 1;
QY 424 TGCTTTTCAAGAGGCCCTTTGGACCTCGGACCTCGGAGGAGCGGTTCCGGTCACTGGAGGCCATCAACG 543
Db 1605369 TGCTGTTGCAGACCGCTGCGCGGACTCAGCCAGCGATCGTGTTCGTCTCATAGGCGACA 1605310
QY 484 CTGTCCACTTGGTCTACGGATCTCGGAGGAGCGGTTCCGGTCACTGGAGGCCATCAACG 543
Db 1605309 ATCAACTGGTCGGCCACCAGGTCAACGAGGCGGAGCGGATTCACCAAGCTCGATGATC 1605250
QY 544 GCTGGGCTCAGATGGGGTGCAGAGGTGCAGCTCTTGAAGCCCAATATCCCGAAC 603
Db 1605249 GTCGACACCCGGTCAAGGGGTCAGAGCGACACGCTACTGCTGCGCACCTCCAAGAAA 1605190
QY 604 CGGAGTTGCCCTCAGACCGCTGACCATGAGGTTCCAAAGCTCCCAATATCCAGATCCCA 663
Db 1605189 CGCGATGCCCCGAGCCCGTGGCGCCCGAACCAACCCGACCAACCGGAATATCACGCTGGCC 1605130

QY 664 GCCAGGAGACACGCTACTGTGTCTACATTAAAGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db 1605129 CGCGCGGGCGTATGCCAGCGCGCTGAGGCTCCACCAAGGACTCGGGGTATCG 1605070
QY 724 ACATTATCAAGTACGAGCCCATCTGTACCAAGGCAATGAGCCCTTGTCTCACCACTGG 783
Db 1605069 CGAT--CCAAATAGTGAACGGCGCTCACGAAATTTCTCGGTGATGCTCGCCCGCACAGGT 1605012
QY 784 AAGTCTTCCAGTGGCGCCCGAGATGGACAGCGTCCCGCACTTCAGCGGGCCCTGCGACT 843
Db 1605011 CCGCATCCGCGCTGTAACTCAGCCCGCAATCTCGCCCTTCTATTTGTCAACAACACT 1604952
QY 844 CCAAGATGAACCCGACCGCTCAACTACTGCCCGCACGCTGCTGGCCCTGGGCCCTG 902
Db 1604951 CGGAGATGAAGTCAATCGGAATCAACTGCTATATGCGGGCGATCACCGAATGGCCCG 1604893

RESULT 26

US-09-252-991A-16191

; Sequence 16191, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 16191

; LENGTH: 1230

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-16191

Query Match 1.5%; Score 42.2; DB 4; Length 1230;
Best Local Similarity 51.9%; Pred. No. 1.1;
Matches 95; Conservative 0; Mismatches 88; Indels 0; Gaps 0;
QY 722 CCACATTATCAAGTACGAGCCCATCGTCACCAAGGGCAATGAGCCCTTGTCCACCACT 781
Db 892 CGAGTGATCAAGATCGACCGCAGCTTCATCAAGGACATTCGGACAGCCAGGACGAT 951
QY 782 GGAAGTCTTCCAGTGGCGCCCGGAGATGGACAGCGTCCCCACATTCACGCGGCCCTCGCA 841
Db 952 GGAATCACCTCGCGCGGTGATCGCCATGGGCCCAACCTCAAGCTCAAGGTAGTGGCGCA 1011
QY 842 CTCACAGATGAACCCGACCGCTCAACTACTGCGCCACGCTGCTGCGCGCCCTGGGCCCT 901
Db 1012 AGCGTGGAGAGCGCGGCAACTGGCCCTTCTCCGGCGCAACCGCTGCGACATCGGCCCA 1071
QY 902 GGG 904
Db 1072 GGG 1074

RESULT 27

US-09-252-991A-15321

; Sequence 15321, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

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; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 15321
; LENGTH: 1248
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-15321

```

Query Match	1.5%;	Score 42.2;	DB 4;	Length 1248;
Best Local Similarity	46.4%;	Pred. No. 1.1;	Mismatches 0;	Indels 0;
Matches 137;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1302	AATCACTACAGCCCTCACTCCAGGAGATCCGCATTTGAAGAAGGTGTCGCTGCAT	1361	
Db				
	52	AACAGAACAAACACCGCGGTTCCGGAATCTCGCGTGAACCTCGCTCGCTGGGTGCC	111	
QY	1362	CCGGGAGATGTGTCATCACTCTCTCGACGTACACACGGAAGACGGGAGCTGCCACA	1421	
Db				
	112	CTGGCGCCCTGCACACCGGCGCGCGCGATCTCTGCTGTACGACAGGACGAGACACA	171	
QY	1422	GTGGGGGGCTTCGGGATCTCTGGAGGAGATGTGTGCAACTAGTGCACTACTACCCCCAG	1481	
Db				
	172	TTTTCCACCGACGGCTACTTCAACGGCTTCTAGTCAACGCGACGTGACCGCCAGGGC	231	
QY	1482	ACGCAGCTGAGCTCTGCAAGACGGGTGTGGACGCCGGCTTCTCTGCAGAGTACTTCCAC	1541	
Db				
	232	GAGACCTACGATCCGCGCCGAGTCGCGGTGAAGATGGGATTCCTGCCGACTACATCGGC	291	
QY	1542	CTCATCAACAGGTTTCAACACAGGAGATGCTTGACCTGCCCTCAGGCGTCCGTGT	1596	
Db				
	292	TTCAACTTTCGGCAGGAAGTTCACGAGCTGAGCCTCGGTGGTTCGGCTTCTCTCT	346	

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RESULT 28
US-09-252-991A-15269
; Sequence 15269, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 15269
; LENGTH: 1590
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-15269

```

Query Match	1.5%;	Score 42.2;	DB 4;	Length 1590;
Best Local Similarity	46.4%;	Pred. No. 1.2;		
Matches 137;	Conservative	0;	Mismatches 158;	Indels 0; Gaps 0;
QY	1302	AATCACTACAGCCCTCACTTCCAGAGATCCGCATGTTGAAGAAGTGTGTCGGTCCAT	1361	
Db	350	AACAAGACACACGCGGTTTCGCGGAATCTCTCCGCTGACCTCGGCTCGCTGGTGCC	409	
QY	1362	CGGGAGATGTGTCATCACTCTGTGACGCTACAACACGGAAGACGGGAGTCGGCCACA	1421	
Db	410	CTGGCGCGCCTGCACACGGCGCGCGCGATATCTGCTGTACACAAGGACGACACACA	469	
QY	1422	GTGGGGGGCTTTCGGGATCTCTGGAGGAGATGTGTGTCTACTAGTCGCTACTACCCCCAG	1481	
Db	470	TTTTTCCACGACGGCTACTTCAACGCGTCTTACGTACACAGGCGGTGACGGCCAGGGC	529	
QY	1482	ACGCAGCTGGAGCTCTCCAAACGCGTGTGGACGCGCGGCTTCTTCGAGAAGTACTTCCAC	1541	

Db 530 GAGACCTACGATCGCGCCAGTTCGGGTGAAGATGGATTCTCGCGCACTACATCGGC 589

Qy 1542 CTTATCAACAGGTTCAACAACGAGGATCTCGACCTGCCCTAGGCGTCCGTGT 1596

Db 590 TTCAACTTCGGCAGAGAGGTGCACGAGCTGAGCCTCGTGTGTCGGCTTCTCTCTCT 644

RESULT 29

US-09-252-991A-15983

; Sequence 15983, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 15983

; LENGTH: 2019

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-15983

Query Match	1.5%;	Score 42.2;	DB 4;	Length 2019;
Best Local Similarity	51.9%;	Pred. No. 1.3;	88;	Indels 0;
Mismatches	0;	Mismatches	0;	Gaps 0;
QY	722	CCACATTATCAAGTAGCAGCCCATGTCATCCAAAGGGCAATGAGGCCCTTGTGCCACCAT	781	
dbb	1758	CGACGTGATCAAGATCGACCGCAGGTTTCATCAAGGACATTCGGACAGCCAGGACGACAT	1817	
QY	782	GGAAAGTCTTCCAGTGGCGCCCGCAGATGACAGCGTGCTCCCCACATTCAGCGGGCCCTCGGA	841	
dbb	1818	GGAAATCACTCGCGGGTGATGCCATGGCCCAACCTCAAGCTCAAGGTGATGCGCCGA	1877	
QY	842	CTCCAGATGAAACCGCAGCGGCTCAACTACTGCGGCCACGTGTGCGCGCTGGGGCCT	901	
dbb	1878	AGCGGTGGAGGCGCGCAGCAACTGGCGCTTCTCTCGGCGCAACCGCTGCACATCGGCCA	1937	
QY	902	GGG 904		
dbb	1938	GGG 1940		

```

RESULT 30
US-09-252-991A-13022
; Sequence 13022, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 13022
; LENGTH: 900
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-13022

```


Query Match 1.5%; Score 42; DB 4; Length 900;
Best Local Similarity 43.2%; Pred. No. 1.1;
Matches 253; Conservative 0; Mismatches 330; Indels 3; Gaps 1;

QY 1204 ACATCTTCGCTCTCAGCTCCACACACACCTGAGTGGGAGAGGTGTGTGCTGCTGG 1263
DB ACAGCTTCGCTTCGCTGAGTTCCTCACTTGCAGGAGGACCAACCCATCGTCGCG 145

QY 1264 TCCGGAGCGCGGAGTGGGAGATCGTGAACAGGACAACTACATACAGCCCTCACTTCC 1323
DB TCGGCACACCGGTGAATCGGCCACGCTGGAGCTGGAAGACATCAGGTGATCCGTC 205

QY 1324 AGGAGATCGGCATGTTGAAGAAGTCTGTGCTGCTCCATCGGAGAGATGTGCTCACT 1383
DB GCGTGTGCGACGAGTCAAGGCGCATCCCGGTGATCGCGGACCGCCGCGCAACTCCA 265

QY 1384 CCTGCACGTACAAACAGGAGCGGAGCTGGCCACAGTGGGGGCTTCGGGATCCG 1443
DB CCCGCGAGCGGTGCGCTGACCGAGGCGCGGAAAGCGCGGCGCCGACCTGCTGC 325

QY 1444 AGGAGATGTGTCAACTACGTGCACTACTACCCCGACAGCGAGTGGAGCTCTGCAAGA 1503
DB TGGTGACCGCTACTACAAAGCCGACCCAGGAGGATGTACAGCACTTCGCGCAT 385

QY 1504 CGGTGTGAGCGCGGCTCTCTGCAAGATGTTCTCACTCATCAACAGGTTCAACACG 1563
DB TCGCGAAGCGGTTCGATCCGCGAGA---TCCTCTACAAGTACCGGCGCGCACTCCT 442

QY 1564 AGGATGTCTGCACCTCGCCCTCAGGCGTCCGCTGTCTCAGCAGTTACCTCTGTCGGA 1623
DB GCGACATCTTCGCGAGACCGTTCGAGCGCTGTCCAAAGTCCGGAACATCATCGGCATCA 502

QY 1624 ACTCTTCAACCGCGACGTACTGAAGGCCCTGTACAGCTTCGCGCCATCTCCATGCACT 1683
DB AGGAGCCACCGCGACCTGTCAACCGCCCAAGGATCATCGAGCGCTCGCAGAGACT 562

QY 1684 GCAACAACTCTCAGCGCTCGCTTCCAGGAGTGAATGGAACCTGCGAGCCCTGCCCAAG 1743
DB TCCTCGTCTATTCCGCGACGACGACGCGCGCTGCTGAGCTGATGCTGTGGTGGCAAG 622

QY 1744 TCATCTCCACTGGAAGAGCCACCCACAGTGGCCCAACAGCA 1789
DB GCAACATCTCGTGACCGCAACCGTTCGCGCGCGCCATGAGCGA 668

RESULT 31
US-09-252-991A-12453/C
; Sequence 12453, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 12453
; LENGTH: 912
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12453

Query Match 1.5%; Score 42; DB 4; Length 912;
Best Local Similarity 43.2%; Pred. No. 1.1;
Matches 253; Conservative 0; Mismatches 330; Indels 3; Gaps 1;

QY 1204 ACATCTTCGCTCTCAGCTCCACACACCTGAGTGGGAGAGGTGTGTCACTGCTGG 1263
DB ACAGCTTCGCTTCGCTGAGTTCCTCACTTGCAGGAGGACCAACCCATCGTCGCG 145

DB 815 ACAGCTTCGCAAGCTGTGTGCACTTCCACTTTCAGGAAGGACCAACGCCATCGTCGCG 756
QY 1264 TCCGGAGCGCGGAGTGGGAGATCGTGAACAGGACAACTACTACAGCCCTCACTTCC 1323
DB TCGGCACACCGGTGAATCGGCCACGCTGGAGCTGGAAGACATCAGGTGATCCGTC 696

QY 1324 AGGAGATCGGCATGTTGAAGAAGTCTGTGCTCCATCGGAGAGATGTGCTCACT 1383
DB GCGTGTGCGACGAGTCAAGGCGCATCCCGGTGATCGCGGACCGCCGCGCAACTCCA 636

QY 1384 CCTGCACGTACAAACAGGAGCGGAGCTGGCCACAGTGGGGGCTTCGGGATCCG 1443
DB CCCGCGAGCGGTGCGCTGACCGAGCGCGGAAAGCGCGGCGCCGACCTGCTGC 576

QY 1444 AGGAGATGTGTCAACTACGTGCACTACTACCCCGACAGCGAGTGGAGCTCTGCAAGA 1503
DB TGGTGACCGCTACTACAAAGCCGACCCAGGAGGATGTACAGCACTTCGCGCAT 516

QY 1504 CGGTGTGAGCGCGGCTCTCTGCAAGATGTTCTCACTCATCAACAGGTTCAACACG 1563
DB TCGCGAAGCGGTTCGATCCGCGAGA---TCCTCTACAAGTACCGGCGCGCACTCCT 459

QY 1564 AGGATGTCTGCACCTCGCCCTCAGGCGTCCGCTGTCTCAGCAGTTACCTCTGTCGGA 1623
DB GCGACATCTTCGCGAGACCGTTCGAGCGCTGTCCAAAGTCCGGAACATCATCGGCATCA 399

QY 1624 ACTCTTCAACCGCGACGTACTGAAGGCCCTGTACAGCTTCGCGCCATCTCCATGCACT 1683
DB AGGAGCCACCGCGACCTGTCAACCGCCCAAGGATCATCGAGCGCTCGCAGAGACT 339

QY 1684 GCAACAACTCTCAGCGCTCGCTTCCAGGAGTGAATGGAACCTGCGAGCCCTGCCCAAG 1743
DB TCCTCGTCTATTCCGCGACGACGCGCGCTGCTGAGCTGATGCTGTGGTGGCAAG 279

QY 1744 TCATCTCCACTGGAAGAGCCACCCACAGTGGCCCAACAGCA 1789
DB GCAACATCTCGTGACCGCAACCGTTCGCGCGCGCCATGAGCGA 233

RESULT 32
US-09-585-173B-21
; Sequence 21, Application US/09585173B
; Patent No. 6570063
; GENERAL INFORMATION:
; APPLICANT: Butler, Karlene
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Gutteridge, Steven
; APPLICANT: Maxwell, Carl
; TITLE OF INVENTION: Magnesium Chelataase
; FILE REFERENCE: BB1370 US NA
; CURRENT APPLICATION NUMBER: US/09/585.173B
; CURRENT FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/137,461
; PRIOR FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 21
; LENGTH: 782
; TYPE: DNA
; ORGANISM: Zea mays
US-09-585-173B-21

Query Match 1.5%; Score 41.6; DB 4; Length 782;
Best Local Similarity 46.5%; Pred. No. 1.3;
Matches 134; Conservative 0; Mismatches 154; Indels 0; Gaps 0;

QY 1378 TCACCTCTCTGACGTACAACACCGGAGAGCTGGCCACAGTGGGGGCTTCGGGA 1437
DB TCAAGGCGCGCTCGAGAAGGCGGACCGCATGGAGCGGCTCTGCTTCCCTCAA 255

QY 1438 TCCTGGAGGAGATGTGTGTCATCTAGCTGCACTACTACCCCGAGACCGAGTGGAGTCT 1497
DB TGCCCGAGGTGATGCGGCTCAACAAAGCTCGGCTCTTTCAGCATGTCGAGCTGGGCA 315

QY	1498	GCAAGACGGCTGTGGACGCCGGCTTCCTGCGAAGTACTTCCACCTCATCAACAGGTTCA	1557
Db	316	CCAAGAGCCCTTCTTCAGCTCTTCAAGCGCAACAGGCCAACTCCAGAACTTCCCG	375
QY	1558	ACAAGAGGATGTCGCACTTGCCCTCAAGCGTCGGTGTCTCAGCAATTCACTCTGTTTC	1617
Db	376	ACAGCATGCTCAAGTCTCGCGACGTCGCCAAGGTCTCAAGTACTGCCCTCTGACA	435
QY	1618	CCTGGAATCTCTTCAACCGCGACGTACTGAAGGCCCTGTACAGTTCTCG	1665
Db	436	AGGGCCAGGACGCCGGCTTACATCTCTCAGCTCCAGTTCTGGCTCG	483

```

RESULT 33
US-09-252-991A-14150/c
; Sequence 14150, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 14150
; LENGTH: 2217
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14150

```

Query Match	1.5%; Score 41.6; DB 4; Length 2217;
Best Local Similarity	43.5%; Pred. No. 1.9;
Matches 188; Conservative 0; Mismatches 244; Indels 0; Gaps 0;	
QY	1136 CGCCTTCATCCTCACTGGCTACTGCACGGACAGTCACCCAGCTGGCACTGCCTCCCTC 1195
Db	1372 CTGGTCACCGCGACGGCACTTCACTTTCGAACCTGGCCCAAGCTACCCCTGGCCAAGCG 1313
QY	1196 CGGGATCCACATCTTCGCCCTCTCAGTCTCCACACACCTGACTGGGAGAAAGGTGGTCAC 1255
Db	1312 CGCTGACTTCTACGCCAAATGCGCGCGCACCGCTGGTGATCGAGAACCTCAACATCGG 1253
QY	1256 AGTGCTGGTCCGGACGGCGGGAGTGGGAGATCGTGAAACACAGGACAATCACTACAGCC 1315
Db	1252 CGGTACCCGGCCAGGCTACGGCAGGTACCGACCGCGGCTCAACAATGGGCGGAACGA 1193
QY	1316 TCATTTCCAGGATCCGCATGTTGAAGAGGTCTGTGCGTCCATCCGGAGATGTGCT 1375
Db	1192 GATATCCGGGCTCAGCTTCAACTACCTGAAGGTGACGTGCGACACCTCTGAGGTGGCGG 1133
QY	1376 CATCACCTCTGCAGTCAACACCGAGACCGGAGCTGGGCCACAGTGGGGGGTTCGG 1435
Db	1132 CGGGAAACGAGGTACCGACCATGGCCAAAGCAGACTTATCCACTGGCAGCGCGCATCGG 1073
QY	1436 GATCTTGGAGGAGATGTGTCAACTACGTGCACTACTACCCCCAGACGCACTGGAGCT 1495
Db	1072 CATCTCTCGCGGCTGGCGCTGCTGTTCACGCGCTTCGGCCGGGCGGAGTTGCGCTCGCT 1013
QY	1496 CTGCAAGACGGCTGTGGACCGCGGCTTCTTCAGAAGTACTTCCACCTCATCAACAGTT 1555
Db	1012 GGGCGATAGCATCTGGACGAGCTGGTCGGCCAGCCCGGATTCAGCATCAGCGCTCGCT 953
QY	1556 CAACAAACGAGGA 1567
Db	952 CAATCTCCAGGA 941

RESULT 34
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Poley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232.463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935.313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 INMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fis
US-08-232-463-14

[illegible]

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QY 1849 GGACCTACTCTCCCGCTCCTCCATGCTGTGCTCCTGCGGTGCACACCGGCACTGTGCACT 1908
Db 1321 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1380
QY 1909 CTACTCTGCGAGCATCCCATGAACAGCCCTGCACGCC 1948
Db 1381 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1420

RESULT 35
US-09-007-005-17/c
; Sequence 17, Application US/09007005B
; Patent No. 6258558
; GENERAL INFORMATION:
; APPLICANT: Szostak, Jack W.
; APPLICANT: Roberts, Richard W.
; APPLICANT: Liu, Rihe
; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
; TITLE OF INVENTION: FUSIONS
; FILE REFERENCE: 007867/350003
; CURRENT APPLICATION NUMBER: US/09/007,005B
; CURRENT FILING DATE: 1998-01-14
; EARLIER APPLICATION NUMBER: 60/035,963
; EARLIER FILING DATE: 1997-01-27
; EARLIER APPLICATION NUMBER: 60/064,491
; EARLIER FILING DATE: 1997-11-06
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 289
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Translation template
; NAME/KEY: misc_feature
; LOCATION: (1)...(289)
; OTHER INFORMATION: n = A,T,C or G
US-09-007-005-17

Query Match 1.5%; Score 41.4; DB 3; Length 289;
Best Local Similarity 5.9%; Pred.No.1.1;
Matches 12; Conservative 94; Mismatches 99; Indels 0; Gaps 0;

QY 1507 CTGTGGACGCGGCTTCTCGCAGAAGTACTTCCACCTCATCAACAGGTTCAACACGAGG 1566
Db 234 CYGYCAVGYCYTYGYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSY 175
QY 1567 ATGCTGCACCTGCCCTCAGCGGTCGCTGCTCAGCAGTTCACTCTGTTCCCTGGAAC 1626
Db 174 NNYNSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSY 115
QY 1627 CCTTCAACCGCGAGCTACTGAAGCCCTGTACAGCTTCGCGCCCATCTCCATGCACTGCA 1686
Db 114 NNYNSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSY 55
QY 1687 ACAAGTCTCAGCGCTCGCTTCCA 1711
Db 54 AYTGYGYAYAYTYTYTYAYA 30

RESULT 36
US-09-244-796-17/c
; Sequence 17, Application US/09244796
; Patent No. 6281344
; GENERAL INFORMATION:
; APPLICANT: Szostak, Jack W.
; APPLICANT: Roberts, Richard W.
; APPLICANT: Liu, Rihe
; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
; TITLE OF INVENTION: FUSIONS
; FILE REFERENCE: 007867/350007
; CURRENT APPLICATION NUMBER: US/09/244,796
```

```
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: 60/035,963
; EARLIER FILING DATE: 1997-01-27
; EARLIER APPLICATION NUMBER: 60/064,491
; EARLIER FILING DATE: 1997-11-06
; EARLIER APPLICATION NUMBER: 09/007,005
; EARLIER FILING DATE: 1998-01-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 289
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Translation template
; NAME/KEY: misc_feature
; LOCATION: (1)...(289)
; OTHER INFORMATION: n = A,T,C or G
US-09-244-796-17

Query Match 1.5%; Score 41.4; DB 3; Length 289;
Best Local Similarity 5.9%; Pred.No.1.1;
Matches 12; Conservative 94; Mismatches 99; Indels 0; Gaps 0;

QY 1507 CTGTGGACGCGGCTTCTCGCAGAAGTACTTCCACCTCATCAACAGGTTCAACACGAGG 1566
Db 234 CYGYCAVGYCYTYGYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSY 175
QY 1567 ATGCTGCACCTGCCCTCAGCGGTCGCTGCTCAGCAGTTCACTCTGTTCCCTGGAAC 1626
Db 174 NNYNSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSY 115
QY 1627 CCTTCAACCGCGAGCTACTGAAGCCCTGTACAGCTTCGCGCCCATCTCCATGCACTGCA 1686
Db 114 NNYNSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSY 55
QY 1687 ACAAGTCTCAGCGCTCGCTTCCA 1711
Db 54 AYTGYGYAYAYTYTYTYAYA 30

RESULT 37
US-09-091-097-9
; Sequence 9, Application US/09091097
; Patent No. 6432407
; GENERAL INFORMATION:
; APPLICANT: TAKESAKO, KAZUTOH
; APPLICANT: OKADO, TAKASHI
; APPLICANT: YAGIHARA, TOMOKO
; APPLICANT: KURODA, MASANOBU
; APPLICANT: ONISHI, YOSHIMI
; APPLICANT: KATO, IKUNOSHIN
; APPLICANT: AKIYAMA, KAZUO
; APPLICANT: YASUEDA, HIROSHI
; APPLICANT: YAMAGUCHI, HIDEYO
; TITLE OF INVENTION: ANTIGENIC PROTEIN ORIGINATING IN
; TITLE OF INVENTION: MALASSEZIA
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP
; STREET: PO BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/091,097
```

```
/
/ FILING DATE:
/ CLASSIFICATION: 424
/ ATTORNEY/AGENT INFORMATION:
/ NAME: WEINER, MARC S.
/ REGISTRATION NUMBER: 32,181
/ REFERENCE/DOCKET NUMBER: 1422-0346P
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 703-205-8000
/ TELEFAX: 703-205-8050
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1607 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: cdna to mRNA
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 2..1522
/
US-09-091-097-9

Query Match
Best Local Similarity 1.5%; Score 41.2; DB 4; Length 1607;
Matches 73; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 1433 CGGATCTCGAGGAGATGTGTCAACTAGTGCCTACTACCCCGACGACGCTGGA 1492
Db 259 CTGTATCCCGTCCAAAGTCGTTGCTCAACAACTCGACATCTACCACGACGACATGA 318
QY 1493 GCTCTGCAAGACCGGCTGTGAGCGCGGCTTCTGCGAGAGTACTTCCACCTCATCAACAG 1552
Db 319 CCTCAAGAACCGGCTATTGACGTGCGGACATTAAGTGAACCTGGCGGAGATGCTCAA 378
QY 1553 GTTCAA 1558
Db 379 GCGGAA 384

RESULT 38
US-08-620-694A-9
; Sequence 9, Application US/08620694A
; Patent No. 586286
; GENERAL INFORMATION:
; APPLICANT: Yao, Zhengbin
; APPLICANT: Spriggs, Melanie
; APPLICANT: Fanslow, William
; TITLE OF INVENTION: No. 586286el Receptor That Binds IL-17
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Apple, Version 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/620,694A
; FILING DATE: 21 MARCH 1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USN 08/538,765
; FILING DATE: 7 AUGUST 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USN 08/410,535
; FILING DATE: 23 MARCH 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
```

```
/
/ NAME: Perkins, Patricia Anne
/ REGISTRATION NUMBER: 34,695
/ REFERENCE/DOCKET NUMBER: 2617-B
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (206)587-0430
/ TELEFAX: (206)
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 3223 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cdna to mRNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Human
/ STRAIN: IL-17 R (hCTLA8 receptor)
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 93..2693
/
US-08-620-694A-9

Query Match
Best Local Similarity 1.5%; Score 41.2; DB 2; Length 3223;
Matches 142; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

QY 106 GCTCGCTCCCGTGAGAGCCCTCCCTATCATCCCTTGACCCCGAGGGGTCCC 165
Db 46 GCTGCTGCCAGCGGGCCGAGCCCTCCGCGACGCCCGGCCATGGGGCGGCAC 105
QY 166 TGGAGCTCTCATGGAATGTCACTACACCCAGGAGCCCATCCATTCCAGCTCCTGGTGC 225
Db 106 GCAGCCCGCGCTCCCTGTCCCGGGGCCCTCCCTGGGCTGCTCTGCTGCTCTGGGCG 165
QY 226 GGAGGCTCAAGGCTGGCGTCTGTTGGGATGTCGACCGTGGGAGCTTGAGAACGACG 285
Db 166 TGCTGGCCCGGTGGCGCCCTCCCTGGGACTCCCTGGGACCAACCGGGCGCTGCTGCTGCC 225
QY 286 ATCTCGTGTGCTCTGGACCGATGGGACACTGCTATTGCGGACCGCTGGAGTGACC 345
Db 226 AGCCGGGGCTAAACTGCACGCTCAAGATAGTACTGCTGGATGACAGCTGGATTCAAC 285
QY 346 AGAAGGGGCAGATCCACTGATGCCAGAGGACTACAGGACTACAGGCTGCTGAGGAGGAG 405
Db 286 CTCGAACCTGACCCCTCTCCGCCAAAGGACCTGCAGATCCAGCTGCACTTTGCCCA 345
QY 406 CCCAGAAAGG 415
Db 346 CCCAACAAAGG 355
```

```
RESULT 39
US-09-022-255-9
; Sequence 9, Application US/0902255
; Patent No. 6072033
; GENERAL INFORMATION:
; APPLICANT: Yao, Zhengbin
; APPLICANT: Spriggs, Melanie
; APPLICANT: Fanslow, William
; TITLE OF INVENTION: No. 6072033el Receptor That Binds IL-17
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
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; SOFTWARE: Microsoft Word for Apple, Version 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/022.255
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 08/620,694
; FILING DATE: 21 MARCH 1996
; APPLICATION NUMBER: USSN 08/538,765
; FILING DATE: 7 AUGUST 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 08/410,535
; FILING DATE: 23 MARCH 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,695
; REFERENCE/DOCKET NUMBER: 2617-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3223 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Human
; STRAIN: IL-17 R (hCTLA8 receptor)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 93..2693
;
US-09-022-255-9

Query Match      1.5%; Score 41.2; DB 3; Length 3223;
Best Local Similarity 45.8%; Pred. No. 2.7;
Matches 142; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

Qy 106 GCTCGGCTCCCGGTGAGAGCCCTCCCTATCATATCCCTCGGACCCGAGGGGTCCC 165
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
46 GCTCGTCCCCCAGCCGGGGCGAGCCCTCCCGACGCCACCCGGGCCATGGGGCCGCAC 105
Qy 166 TGGAGCTCTCATGAATGTTCAGCTACACCCAGGAGGCCATCCATTTCCAGCTCTGTGC 225
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
106 GCAGCCCGCGTCCGCTGTCCCGGGCCCTGCTGGGGCTGCTCTGCTCTCTGGCG 165
Qy 226 GGAGGCTCAAGGCTGGGCTCTGTTGGGATGTCCGACCTGCGAGCTTGAGAACGCAG 285
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
166 TGCTGGCCCGGGTGGCGCTCCCTCGACTCTCGGACCCAGCGCGCTGTCTGCTCCC 225
Qy 286 ATCTCGTGGTCTTGACCGATGGGACACTGCTATTTTGGAGCGCTTGAGTGCACC 345
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
226 AGCCGGGGCTAAACTGCACCGTCAAGATAGTACCTGCTGATGACAGCTGGATTACCC 285
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Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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346 CCCAACAGG 355

RESULT 40
US-09-022-696-9
; Sequence 9, Application US/09022696
; Patent No. 6072037
; GENERAL INFORMATION:
; APPLICANT: Yao, Zhengbin
; APPLICANT: Spriggs, Melanie
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; APPLICANT: Panelow, William
; TITLE OF INVENTION: NO. 6072037el Receptor That Binds IL-17
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Apple, Version 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/022.696
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/620,694
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 08/410,535
; FILING DATE: 23 MARCH 1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,695
; REFERENCE/DOCKET NUMBER: 2617-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3223 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Human
; STRAIN: IL-17 R (hCTLA8 receptor)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 93..2693
;
US-09-022-696-9

Query Match      1.5%; Score 41.2; DB 3; Length 3223;
Best Local Similarity 45.8%; Pred. No. 2.7;
Matches 142; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

Qy 106 GCTCGGCTCCCGGTGAGAGCCCTCCCTATCATATCCCTCGGACCCGAGGGGTCCC 165
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226 AGCCGGGGCTAAACTGCACCGTCAAGATAGTACCTGCTGATGACAGCTGGATTACCC 285
Qy 346 AGAAGGGGCAGATCCACCTGGATCCCGAGGAGCTACAGCTGCTCAGGTGCAGAGGA 405
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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Db 286 CTCGAAACCTGACCCCTCTCTCCCAAGGACCTGCAGATCCAGCTGCACTTTGCCACA 345
QY 406 CCCCAAGG 415
Db 346 CCCAACAAGG 355

Search completed: November 13, 2003, 03:21:34
Job time : 201 secs

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